

The Wobbly Oscillator

Cuyahoga Amateur Radio Society

January 2023

Volume 53

Number 1



Hams Who Serve



Happy New Year

David Korow, AC8TN

Ham of the Year

It wasn't a difficult choice to pick the HOTY this year, one member stepped up to the plate and hammered a grand slam.

David, AC8TN, again took on the task of the Field Day CW station captain, as he has done for several years. The station captains are entirely responsible for turning a piece of bare ground into a functional contest station. They must provide a source of non-commercial electrical power, usually a generator. In most cases they need to set up a tent for shelter, complete with a table and chairs. Of course, the station must have a radio, and a computer for logging. At least one antenna is needed, and often more are raised. The station captain must also procure and schedule his team of operators. It's a complex endeavor, and David does it splendidly.

With the loss of a Net Control Station, the rotation of net controllers was getting thin. The plea for another net controller was answered by David. Not only did he join the group, he instantly became a standout with his exuberant style. It's apparent that David is enthusiastic about being a Net Control Station.



Toby, WT8O, presents the prestigious HOTY plaque to David, AC8TN, at the December CW class.

David has always soldiered through Field Day with a small group of operators. Having dealt with a short crew, he decided to take control and create a series of Morse Code classes with the intent of having more operators. He teamed up with Ron, K8RJH, and put together a winter-long schedule of classes. Not only was the number of students above expected levels, but the overall success of the classes has also been exceptional.

On a day at the zoo with his XYL, David became aware of the one-time amateur radio station CARS used to have at the Rain Forrest. Seeing an opportunity to promote ham radio, he contacted previous operators of the old station and zoo personnel in a quest to re-establish the station. So far, his efforts have been positive, and it looks like there will be a station in the future.

Everything mentioned above is quite a set of accomplishments for one member. The selection of David, AC8TN, for the CARS Ham of the Year is wholly appropriate.

From The Prez

Resolutions

Some people make New Year's resolutions. Others feel they're a foolish waste of time. Probably a vast majority of folks are unaware of the tradition. Speaking for myself, I take the first mentioned approach. At the beginning of each year, I step back, look at the big picture, and determine what I can do to improve. It may be one large matter, or a couple of lesser points. The goal is to achieve the resolution and not bite off too much. In business, it's called continuous improvement.

As president of CARS, I suggest we as a club take a similar approach; but I need your help. We need suggestions from the members to make changes or establish new endeavors. One person's perspective is a start, that of two people doubles the view, and over one hundred members gives us quite a substantial picture. So, at every meeting we will include an agenda item for those present to voice their thoughts. Get those wheels turning and see what you can come up with. All suggestions will be welcomed and appreciated.

However, there's a kicker. Ideas are a start, but action is essential to complete the improvement. If you can achieve your idea, fine business. If you need help, that's what your fellow members are for.

We are a team - we are CARS.

January Birthdays

JANE REED, K8JGR	1-11
GARY SCHMID, WA8GCR	1-11
JODY SHANKLAND, KE8JVA	1-14
MATT WEBB, W8EBB	1-14
FRED DOOB, K8PP	1-15
BOB KITA, KD8UXZ	1-23
RENEE VERHOFF, K8IDI	1-26
MIKE TOTI, KB8RKF	1-27
CARL BEDUHN, K8AV	1-30

Seven Hills Christmas Parade

On a cold, clear Saturday morning on December 10th, the Seven Hills Christmas Parade was held along Broadview Road from the Moose Lodge to Hillside Road.

CARS members Matt, KE8OZU; Ron, K8RJH; Joe, KD8BAL, and Toby, WT8O contributed to the success of the event by lining up the participants, directing traffic, and providing communications.

Although the parade was small in comparison to the Memorial Day Parade, the participants were quite lively and colorful as the accompanying photos will reveal.



The Ghostbusters preparing for action.



Matt, KE8OZU; Toby, WT8O; and Joe, KD8BAL gathered for Ron, K8RJH to photograph.



Santa's helper made the scene on two wheels.

Representative Dell'Aquila

Congratulations to CARS member Rick Dell'Aquila who was elected to the Ohio House of Representatives to represent District 15. He won in the General Election on November 8th, 2022. Rick will assume office on January 1st, 2023.

Many of us are familiar with the accomplishments Rick achieved as Mayor of Seven Hills and wish him success as a member of the Ohio State legislature.

73, Toby, WT8O



The Ghostbusters hit the road.



Rudolph and Santa's sleigh.



Santa himself leaves the Moose lodge.

November 2022

Meeting Minutes

LOCATION - The meeting was held on November 8th at the Busch Funeral Home on Ridge Road in Parma, Ohio.

CALLED TO ORDER - The meeting was called to order by President Toby Kolman, WT8O, at 7:30 PM.

PLEDGE OF ALLEGIANCE - Those present pledged allegiance to the flag of the United States of America.

INTRODUCTIONS - Those present introduced themselves. 18 individuals attended the meeting, including two guests.

OCTOBER MINUTES - The October minutes were approved as published in the WO.



The perennial happy camper, Andy, KD8SCV, manages the 50/50 superbly.

TREASURER'S REPORT - Bob Check, W8GC, reported on the Club's current financial situation. No issues or concerns were identified. A donation of \$359 was made to the scholarship fund through the sale of equipment. Dues are due in January, but folks can pay early. PayPal is not accepting personal payments for dues so please pay via cash or check, if possible.

PRESIDENT'S REPORT - Toby Kolman, WT8O, reported the following:

- Thanks to everyone for their WO contributions, especially Andy, KD8SCV for all his pictures, and Ron, K8RJH, for his articles every month.
- Thanks to Matt, NU8H, for doing a great job as backup secretary in October.

VICE PRESIDENT'S REPORT - Ron Hollas, K8RJH, reported the following:

- Fall is a great time to improve skills and take training for the next year
- The ARRL website has a new learning section that contains content from the 2022 ARRL National Convention. Find it at <https://learn.arrl.org/learning-paths/all-courses/>.
- New editions of the ARRL Audio News are available every Friday and can be found at <https://www.blubrry.com/arrlaudionews/>
- The ARRL On the Air podcast can be found at <https://www.arrl.org/on-the-air-podcast>. The current episode is "Basic Gear for Public Service".

Next CARS Meeting

Tuesday, January 10 - 7:30 PM

Busch Community Room

Matt Neely, NU8H
Will have a program on:
The many aspects
of 3-D Printing

See Website for Details - www.2cars.org

SECRETARY'S REPORT - Secretary Matt Perlman, KE8OZU, had nothing to report.

PUBLIC SERVICE - Arp, K8ARP, had nothing to report.

VE UPDATE - Metro, W8MET, reported that the next VE session will be at 9:15 AM on November 13th at the Old Rec Center in Independence. The ARRL CW Sweepstakes recently completed. The ARRL SSB Sweepstakes is coming up November 19th-20th.

PROGRAM COMMITTEE - Joe, KD8BAL, reported the following:

- Today's program is JonDarr Bradshaw from NASA presenting "Returning to the Moon: NASA's Artemis Missions"
- January's program will be Matt Neely, NU8H, presenting on 3D printing
- February's program will be Jim Petroski, W8NRX, from the Woodchuck Radio Club, presenting on LED thermal properties

TECH COMMITTEE - Scott, AC8NW, had nothing to report. Ron, K8RJH, and Scott will discuss the plan to install Wires-X on the repeater system.

REFRESHMENTS - Toby, WT8O, thanked Ron, K8RJH, for providing soft drinks and Matt, NU8H, for providing doughnuts. John, NU8Y, will provide coffee starting in 2023.

OLD BUSINESS - Toby WT8O, led a discussion on the following:

- Toby, WT8O, is temporarily filling the role of Club Historian. He met with Ted, K8TED, a charter member and learned the story of the CARS logo. He is documenting a list of past presidents.
- Toby, WT8O, is temporarily filling the role of Club Quartermaster. He consolidated equipment into Bob's, W8GC's, storage unit in North Royalton. Most of the equipment, including the new banners, is in plastic boxes.
- The Club Tool and Equipment Pool listing will be available in a password protected area of the website soon. Thanks to Andy, KD8SCV, Eddie, KD8FTS, and Mark, WJ8WM, for contributing tools.
- The Club is planning to use a Keurig for coffee. Bob, KC8MRC, made a motion to purchase the Keurig, which was seconded by Terry, KB8DTC. The motion was tabled when Bruce, N8DJX, offered a free, used Keurig. The Club will try the free Keurig and reconsider purchasing one based on how it works.



The group was captivated by the excellent presentation on the Artemis missions by NASA's JonDarr Bradshaw.



Heaven knows what the discussion was here before the photographer snapped the picture. Matt, NU8H; Arp, K8ARP; Bruno, W8BJH, and Scott, AC8NW.

NEW BUSINESS - Toby, WT8O, led a discussion on the following:

- Seven Hills needs help with the Christmas Holiday Parade on Saturday, December 10th, 2022, 9:45 AM through 10:30 AM. The parade starts at the Moose Lodge, 7010 Broadview Road and goes to the Seven Hills City Hall, 7325 Summitview Dr. Ron, K8RJH, Mark, WJ8WM, Joe, KD8BAL, Arp, K8ARP, Toby, WT8O, Mark, KC8ESG and Matt, KE8OZU, volunteered to help.
- The 2023 Officer and Board Member elections were held. Each position had only one nominee. Andy, KD8SCV, motioned to close the nominations and elect all nominated Officers and Board Members. Terry, KB8DTC, seconded the motion. The motion was passed unanimously. The 2023 Officer and Board Members are:
 - President: Toby, WT8O
 - Vice President: Ron, K8RJH
 - Treasurer: Bob, W8GC
 - Secretary: Matt, KE8OZU
 - Odd-Year Board Members: Eddie, KD8FTS, Arp, K8ARP and Bob, K8RGI
- Mark, WJ8WM, reported that there would be a Christmas Party this year. Details are still being finalized regarding the location, date and food provided by the Club. There will be a Zoom meeting the week of November 14th to finalize the plans. The plans will be posted to the CARS website (<http://www.2cars.org>).

NEXT MEETING - The next meeting of The Cuyahoga Amateur Radio Society will be January 10th, 2023, at the Busch Funeral Home on Ridge Road in Parma, Ohio.

50/50 Drawing - Bob, W8GC, won the 50/50 drawing.

ADJOURNMENT - Toby, WT8O, adjourned the meeting at 8:00 PM.

After the meeting, JonDarr Bradshaw of NASA presented "Returning to the Moon: NASA's Artemis Missions"

Submitted by Matt Perlman, KE8OZU, CARS Secretary



JonDarr Bradshaw gave an extremely fascinating speech on the Artemis moon mission, astronaut training, and NASA inside information.



Mr. Bradshaw arrived early and set up this display of NASA paraphernalia complete with interesting handouts.

Make 2023 a Year for Learning and Doing Ron, K8RJH

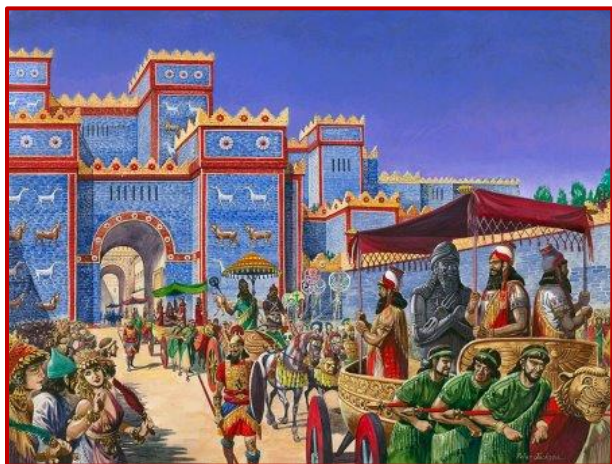
Your mind and body benefit from learning a new skill, amateur radio has many options to offer this year!

If you are considering personal goal setting, or resolutions, for this New Year, and usually not having much success in keeping the focus with consistent progress, it may be time to reevaluate your objectives using another approach for personal development that develop new skills and a healthy life.

If one searches the web for “**Learning a new Skill**” placing in the top 10 most popular New Year resolutions in the past few years, it may be surprising that it very rarely makes this list. In fact, it can be found in many published lists within the lower portion of the top 20. Here are a two additional, interesting facts of New Year’s resolutions as reported by www.discoverhappyhabits.com .

- On average, only 9 to 12 % of People keep their New Year’s resolutions for the year!
- The most popular resolution categories for 2021 were exercising more and improving fitness (50% of participants), losing weight (48%), saving money (44%), and improving diet (39%).

Not much popular interest stated for learning!



The Babylon New Year Festival, Akitu

The History on the making of New Year’s Resolutions.

The ancient Babylonians are said to have been the first people to make New Year’s resolutions, some 4,000 years ago. They were also the first to hold recorded celebrations in honor of the new year—though for them the year began not in January but in mid-March, when the crops were planted. They also made promises to the gods to pay their debts and return any objects they had borrowed. These promises could be considered the forerunners of our New Year’s resolutions. If the Babylonians kept to their word, their (pagan) gods would bestow favor on them for the coming year. If not, they would fall out of the gods’ favor—a place no one wanted to be. – Reference History.com

It can be argued that simply learning a single new skill can cover most if not all the popular New Year’s goals set by individual’s resolution categories for any year (see categories above). Plus, it can easily give one a focus for manageable results and confidence building.

According to wellness literature, whether you’re bored, have extra time on your hands or want to get out of a rut, learning a performing new skill, *any skill*, can give you a mental and physical boost you need. You don’t have to wait until New Year to start! “We’re meant to grow, stretch, extend and expand”. “As you learn new skills, you’ll discover more gifts about yourself and improve your confidence and sense of well-being. You can also positively affect others with your new skills.”

Five Great Reasons to learn a new skill.

- 1. It gives you motivation.** Learning a new skill in such as in Ham Radio can give you motivation, energy, joy, and a sense of purpose.
- 2. It boosts confidence.** The medical community agrees that "If you engage in any new skill, you're going to thicken the brain's prefrontal cortex." "As you develop a new skill, you'll gain courage and confidence, which helps you override fear and anxiety. You'll feel more empowered."
- 3. It keeps you healthy.** "Learning is great for your brain at every age." As you take on a new skill, the mind begins to reshape itself because the physical brain is malleable throughout life.
- 4. It helps you be flexible.** By consistently educating yourself and trying new things, you'll learn you're capable of change and growth, which keeps you open to new opportunities in life. Think about how using a new skill can help others at work, at home or in your community (public service).
- 5. It can boost your happiness.** "When you learn any new skill, you increase your level of happiness," "It was thought for a long time that a person's baseline happiness couldn't be lifted. You won't be euphoric all the time, but you'll gain a sense of well-being."

Think of expanding your use of Amateur Radio with one, or more of these skills this year.

- Upgrade your License
- Use new Digital Modes
- Learn CW
- Be a Net Control
- Become a more active as a CARS supporting member
- Volunteer to be in one of the CARS committees
- Participate in Public Service Events
- (Plus, Many, Many More...)

A Suggestion on How to make the most of learning a new skill.

Take a compassionate approach. Learning a new skill should be something positive in your life. While it may feel challenging, especially at the beginning, it's important to take a compassionate approach. You don't have to do it perfectly, just be open and receptive. "You could affirm to yourself, 'I'm being open and receptive to learning this new skill while holding it loosely.' This will be fun and positive. Remember that some setbacks are normal when learning something new, but all will be well. Don't forget to generate inspiration by being more creative to express yourself!

Then you would have successfully made 2023 a Year for learning and doing!

AMATEUR RADIO KNOWLEDGE

DIAGRAM

HOW DOES A REPEATER WORK?

MIC & DATA PLUG INFORMATION

KENWOOD MICROPHONE CONNECTION

MIC (1) ① GND (STBY)
PTT (2) ② GND (MIC)
DOWN (3) ③ NC
UP (4) ④ 8 V (10 mA max)

ICON MICROPHONE CONNECTION

① Microphone input
② +8 V DC output
③ Frequency up/down
④ Main readout equalizer switch
⑤ GND (MICROPHONE GROUND)
⑥ GND (PTT GROUND)
⑦ PTT

YAESU MICROPHONE CONNECTION

1. UP 5. GND
2. +5V 6. PTT
3. DOWN 7. MIC GND
4. FAST 8. MIC

ANTENNA LENGTH CHART

FREQUENCY (MHz)	1/4λ (Feet)	1/2λ (Feet)	5/8λ (Feet)	1λ (Feet)	1 1/2λ (Feet)	2λ (Feet)
1.800	130' 0"	260' 0"	390' 0"	520' 0"	780' 0"	1040' 0"
1.850	126' 6"	253' 2"	379' 6"	506' 0"	759' 0"	1012' 0"
1.900	123' 2"	246' 4"	369' 0"	492' 0"	738' 0"	984' 0"
2.000	117' 0"	234' 0"	351' 0"	468' 0"	702' 0"	936' 0"
3.500	66' 10"	133' 8"	200' 6"	267' 4"	401' 0"	534' 8"
3.750	62' 5"	125' 0"	187' 5"	243' 3"	365' 0"	486' 7"
3.900	60' 0"	120' 0"	180' 0"	240' 0"	360' 0"	480' 0"
4.000	58' 6"	117' 0"	174' 0"	232' 0"	348' 0"	464' 0"
7.000	33' 5"	66' 10"	99' 15"	132' 2"	198' 3"	264' 4"
7.150	32' 5"	65' 0"	97' 5"	130' 0"	195' 0"	260' 0"
7.300	32' 1"	64' 1"	96' 1"	128' 0"	192' 0"	256' 0"
10.100	23' 2"	46' 4"	69' 6"	92' 8"	139' 2"	185' 6"
10.150	23' 1"	46' 1"	69' 1"	91' 6"	137' 4"	183' 2"
14.000	16' 9"	33' 8"	50' 6"	67' 4"	101' 0"	134' 8"
14.150	16' 5"	33' 1"	49' 7"	66' 2"	99' 3"	132' 5"
14.300	16' 4"	32' 8"	49' 2"	65' 6"	98' 4"	131' 2"
14.350	16' 4"	32' 7"	49' 1"	65' 5"	98' 3"	131' 1"
17.000	12' 11"	24' 11"	36' 7"	48' 8"	73' 2"	97' 6"
17.100	12' 11"	24' 11"	36' 7"	48' 8"	73' 2"	97' 6"
21.000	11' 2"	22' 3"	33' 4"	44' 5"	66' 7"	88' 9"
21.200	11' 0"	22' 0"	33' 0"	44' 0"	66' 0"	88' 0"
21.450	10' 11"	21' 10"	32' 7"	43' 6"	65' 4"	87' 2"
24.000	9' 5"	18' 10"	27' 5"	36' 0"	54' 0"	72' 0"
24.900	9' 4"	18' 8"	27' 2"	35' 8"	53' 6"	71' 6"
28.000	8' 4"	16' 8"	25' 11"	33' 11"	50' 7"	67' 4"
28.500	8' 3"	16' 5"	24' 7"	32' 10"	49' 5"	66' 0"
28.700	7' 11"	15' 9"	23' 10"	31' 10"	47' 5"	63' 4"
50.000	4' 8"	9' 4"	14' 0"	18' 8"	28' 0"	37' 6"
54.000	4' 4"	8' 8"	13' 2"	17' 6"	26' 4"	35' 2"
144.000	1' 8"	3' 6"	5' 4"	7' 2"	10' 8"	14' 4"
148.000	1' 7"	3' 4"	5' 1"	6' 10"	10' 3"	13' 8"

STANDARD DIPOLE CONSTRUCTION

Testing, Testing

Fred, K8JG

On the second Sunday of this November month, I had the privilege of watching the CARS VE (Volunteer Examiner) team in action. But here's the backstory.

I chose to become an ARRL VE as one way to get back to my treasured hobby. And I made that decision several years ago. In the interim of course, the dreaded Covid reared its ugly head, and in-person VE testing was placed on a multi-year hold by many amateur radio clubs. As a "newbie" VE, I had read preparatory materials and taken the exam to qualify as a VE, but I was, as the expression goes, "wet behind the ears." The question was what to do? The answer, of course, was to call Metro, W8MET, and ask if I could watch his VE team in action on some forthcoming test day. By happenstance and good fortune, Metro attended the QCWA Chapter 1 meeting in October and we had a chance to chat in an eyeball QSO. Metro encouraged me to call him in the week preceding the planned testing date to determine whether he'd have a place for me at the table.

Fast-forward to Sunday morning, November 13th when I found my way to the Old Rec Center in Independence. On arrival, I was warmly greeted by Metro, W8MET, and his team including George, K8KR; Gary, N18Z; Linda, N8LRS, and Roger, N8TCP. I quickly learned that this capable VE team has been conducting VE examinations for nearly 15 years and has clearly built a strong bond of friendship.

While the VE team welcomes walk-ins (test applicants who have not made an appointment), on this Sunday there were two test applicants for the Technician license who were there by appointment. Introductions were made, the candidates were welcomed, and the test procedures explained. The tests were distributed, and the Technician candidates completed their examinations.

Parenthetically, the ARRL prescribes a very exacting process and routine for the distribution and retrieval of the test booklets and exams. Each candidate's license application materials are reviewed for accuracy by each of the VE team members. In turn, each test must be reviewed and graded by three VE team members to assure accuracy and compliance. I really appreciated Metro including me in this review and grading process. I certainly learned from the experience.

Both test applicants passed their technician exams and were congratulated by each of the team members. Moreover, they were encouraged to study for their general and extra class licenses and to actively participate in CARS. For sure, CARS and the amateur radio community are stronger and better for their efforts.

January Net Sked

JAN	4	WT8O
JAN	11	K8RJH
JAN	18	KD8ACO
JAN	25	AC8NW

**Nets are run every Wednesday at
9:00 PM on:**

146.820 (PL 110.9)

**443.825(+) PL Tone 131.8
Digital Yaesu Fusion
Linked to the 146.82 Repeater**

EchoLink Node 343470 (K8ZFR-R)

Allstar Node 47067

Dues Notice ***Bob, W8GC***

Your 2023 CARS dues are payable on or before January 31, 2023. If you have already paid -THANK YOU.

Dues can be paid in 3 ways:

Online by sending the funds via PayPal to:
w8gc@2cars.org PLEASE USE PERSONAL OPTION.

You can also mail a check to:
CARS
7395 Brecksville Rd.
Independence, OH 44131

Pay in person at any CARS meeting.

Dues are \$26.00 per year for regular membership. Each additional family member is \$16.00. If you are 60 yrs. or older, your dues are only \$18.00 per year.

CARS will offer assistance to anyone having a hardship. Please let me know if you have a hardship or know a member who needs help.

Any members dues not paid by January 31, 2023 will no longer be in good standing and not eligible to vote at a CARS meeting.

73, Bob, W8GC, Treasurer CARS

Amazon Smile ***Bob, W8GC***

Amazon Smile! Did you know that if you assign your Amazon account to "Amazon Smile", you can designate **Cuyahoga Amateur Radio Society** for contributions from Amazon.

It is easy, costs nothing, and Amazon donates 0.5% of your purchases to our club Cuyahoga Amateur Radio Society. All you do is make "**Cuyahoga Amateur Radio Society**" your charity of choice.

Here is a link to the "About AmazonSmile" details:

<https://smile.amazon.com/charity/smile/about>

10

CARS **Repeaters**

146.820 (-) PL Tone 110.9

Analog Repeater

Main Site – Brecksville

Receive Only Site – Brunswick

Receive Only Site – Shaker Hts.

Receive Only Site - Parma

Allstar Node 47067

EchoLink Node 343470 (K8ZFR-R)

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.820 Repeater

Brecksville

444.75 (+) PL Tone 131.8

Analog Repeater

Not Linked to Other Repeaters

Shaker Hts.

November VE Session

Once again, Metro, W8MET, competently led his outstanding VE team consisting of Gary, NI8Z; George, K8KR; Roger, N8TCP; Linda, N8LRS, and Fred, K8IG to another successful VE Session on Sunday, November 13, 2022, at the Old Elmwood Recreation Center in Independence.

Two hams passed their Technician exams becoming licensed amateurs. Congratulations to Douglas Barstow, KE8WBE, and Filip Dunjic, KE8WBO, and welcome to the Amateur Radio Service.

The next VE testing session will be held Sunday, January 8th, at **9:15 AM*** at the Old Elmwood Recreation Center, 6200 Pete Wisniesky Parkway, Independence 44131. Directions and a map are on the CARS website homepage. For information or an appointment please contact Metro, W8MET, at 216-520-1320 or metro351@sbcglobal.net

As always, walk-ins are welcome.

***Please note the time change to 9:15 AM.**

Honorary Members

Any person who by nature of outstanding or meritorious contribution to the furtherance of amateur radio and the ideals of the Cuyahoga Amateur Radio Society

Robert Check, W8GC
Elected 2/10/15

Thomas Wayne, WB8N
Elected 1/10/17

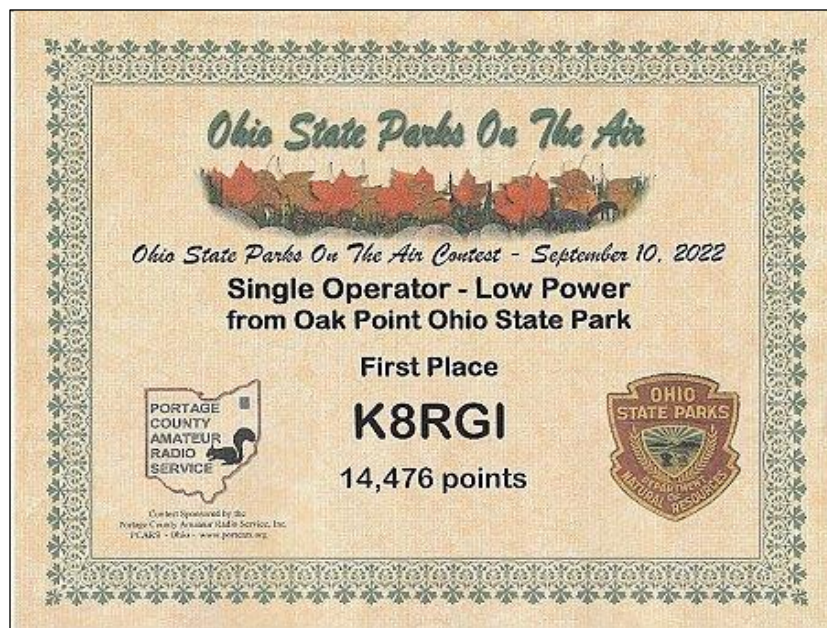
Dwaine Modock, K8ME, SK
Elected 5/9/17

Toby Kolman, WT8O
Elected 10/10/17

Jerry Smith, NW9H
Elected 5/8/18

Ron Borkey, K8VJG, SK
Elected 5/14/19

Ed Stevens, WB8ROK, SK
Elected 8/10/21



Congratulations to Bob Robbins, K8RGI, for his awesome first place finish in the Ohio State Parks On The Air contest.

NASA Report

Bob, KC8MRC

Astronomers discovered an asteroid between Earth and Venus hiding in the sun's glare that may be about a mile long. In a few thousand years may come very close to earth.

This comes from the Hickory Aviation Museum in North Carolina:

An employee checking on aircraft heard some strange noises coming from Air Force T-33, When he looked at it, a mother cat and one of her kittens were looking back down at him. They discovered a feral cat gave birth to five kittens, and since then the staff took the mother and her kittens to a nearby Humane Society for checkup and shots. They will be given aircraft-related names and put up for adoption.

The launch of Artemis 1 lifted off at 1:47 AM about 30 minutes late. The rocket was so loud at 1,091 decibels, or equal to standing 100 meters from a jet taking off. The mission will last 26 days according to NASA, and splashdown off the coast of San Diego, California.

As of Saturday, November 26, 2022, Artemis 1 set a record distance from earth for a man rated vehicle of 249,000 miles before entering orbit around the moon.

A meteor streaked across the sky last night over Eastlake, Ohio. I did not see it.



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CARS 2023 Officers & Committees

Audit

K8RJH ** WT8O, WJ8WM

Audio/Video

AC8NW **

ARRL Liaison

K8RJH **

Awards

W8GC ** WT8O

Christmas party & Summer Picnic

WJ8WM **, K8ARP, KD8FTU, KD8FTV

Field Day

K8RGI **, WT8O **, K8ARP, KD8SCV, AC8NW, AC8TN, WT8O, K8RJH

50/50

KD8SCV

Hamvention Bus

KD8FTS **

Club Historian

WT8O **

License classes

KD8ACO **, WT8O, K8SHB

Media Representative

KD8SCV

Membership

WT8O ** W8GC

NET

WT8O **

Newsletter

WT8O ** 440-525-6109
wt8o@att.net

Programs at Meetings

KD8BAL ** KD8FTS, KE8OZU

Property Custodian's

KB8DTC paper records, W8GC donations to sell
WT8O Quartermaster

Public Services

KD8FTS **, K8ARP

QSL Manager - W8HBI, W8BM

WB8N **

Refreshments at Meetings & Picnic

K8RJH ** pop, NU8H ** Donuts,
NU8Y *** Coffee

Scholarship

W8GC ** K8RGI, KE8OZU, WT8O, K8RJH

Sunshine (welfare)

Andy, KD8SCV ** 440-886-0723

Technical

AC8NW ** N8OVW, WJ8WM, KD8ACO, K8RJH, KB8DTC

VE Exams

Metro, W8MET ** 216-520-1320

Web Master/e-mail

W8GC ** KE8OZU

**** chairman or co-chairman**

2023 Officers

PRESIDENT

Toby Kolman WT8O 440-525-6109
wt8o@att.net

VICE-PRESIDENT

Ron Hollas, K8RJH, 216-379-7440

SECRETARY

Matt Perlman, KE8OZU, 216-337-1540
Alternate Secretary:

TREASURER:

Bob Check W8GC 216-524-1750
Alternate Treasurer: Bob Robbins, K8RGI

Board Members & License Trustees

Board Chairman:

Mark Moro WJ8WM 216-661-0342

even year executive board 2 year term

AC8NW, KB8DTC, WJ8WM

odd year executive board 2 year term

K8RGI, K8ARP, KD8FTS

License trustee

K8ZFR

WT8O

License trustee

W8HBI, W8BM,
W8GC



December 19, 2022